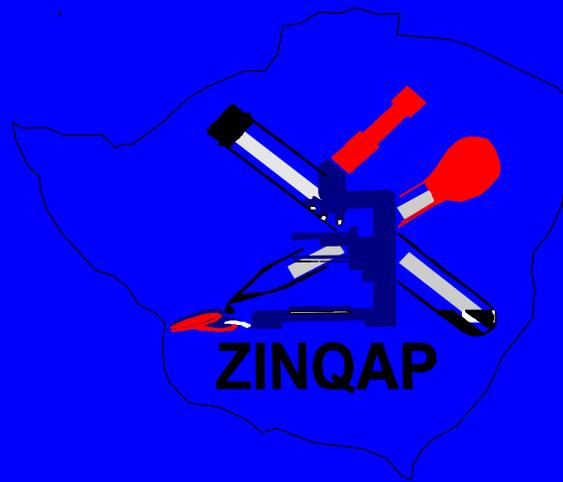


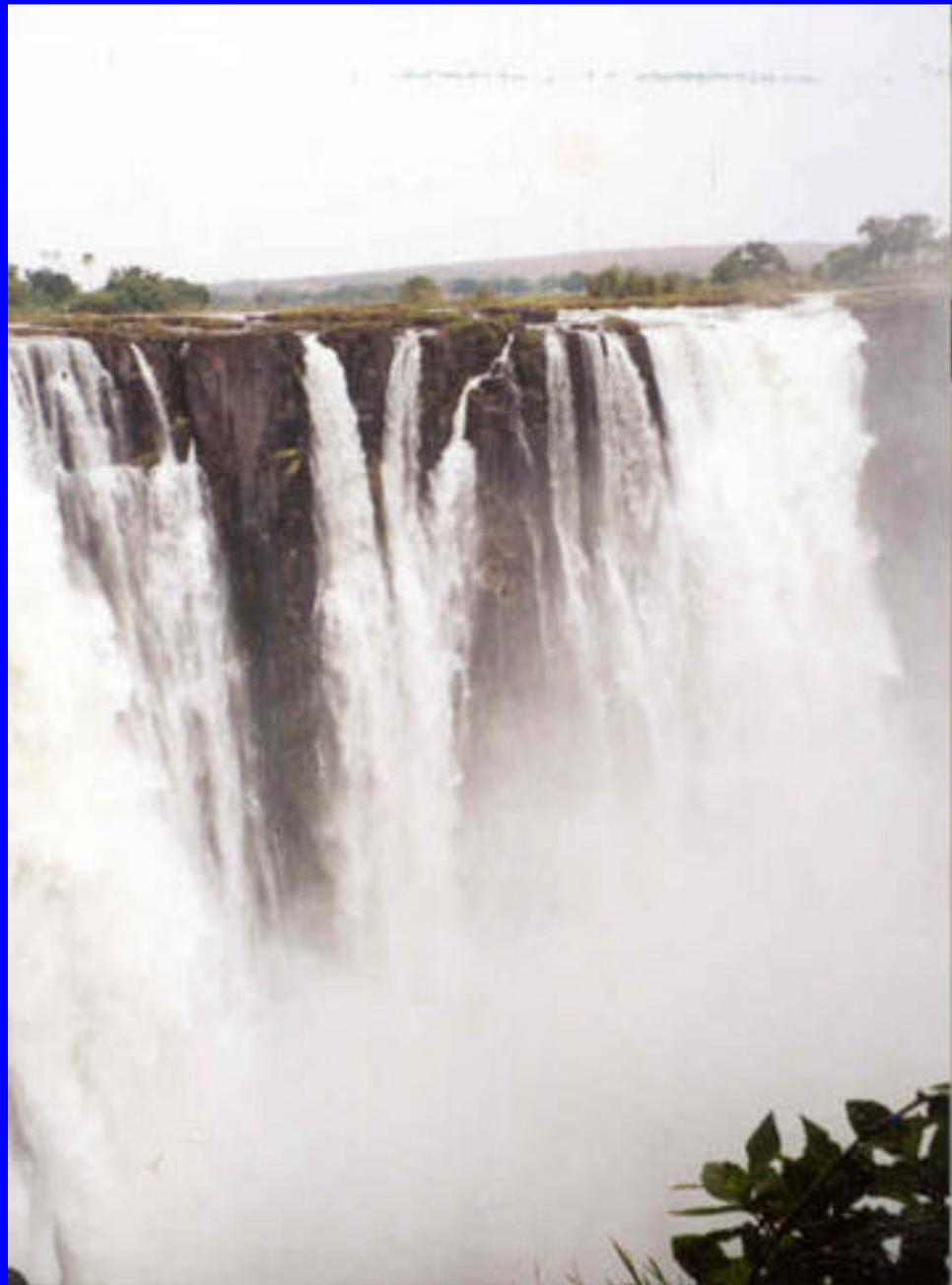
Zimbabwe National Quality Assurance Programme (ZINQAP)



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Sibongile Makhanda – Sr. MLS

ZIMBABWE





Sections

- BACKGROUND
- HIV PT DESCRIPTION
- FUTURE PLANS

Mission

- To assist medical laboratories to assess and improve the quality of laboratory results they produce in order to maintain a high standard of performance.
- The purpose ultimately ensures that results being sent out by medical laboratories and point of service testing centres are reliable and timely for maximum benefit to the patient.

Historical Background

- 1991 - UZ Chemical Pathology Dept in Medical School Established ZEQAS, A Clinical Chemistry EQA Programme
- 1993 - PHL QA Strategy Workshop
- 1994 - ZINQAP Formulated & Funded By DANIDA
- 1998 - Became A Trust

Organisational Structure

- Board of trustees(6)
- Management Board (9)
- Director (FIMLS)
- Technical staff (2xMLS)
- Administrative secretary
- Driver

PARTNERSHIPS

- DANIDA (Donor Organisation)
- UKNEQAS (EQA software & Clinical chemistry samples)
- LABQUALITY (Training assistance)
- MOH&CW/PHL (Largest stakeholder)
- CDC/WHO (Technical & training support)
- USAID (Training)
- SAZ (ISO Body)
- NACP/PSI (Kit evaluations)

Rationale

- Increase in awareness in the public and public sector on the need for QA
- The development of accreditation standards
- Need for patients to have confidence in results
- Need to assess the ability of labs to competently perform
- Patients are now demanding value for money due to economic hardships

Long Term Objectives

- Strengthen and reinforce Internal Quality Control (IQC) procedures through the use of the standard operating procedures
- Institute a comprehensive EQA programme to cover all lab disciplines
- Assist laboratories in Zimbabwe to improve performance by the use of SOPs

Short Term Objectives

- Improve internal operational and communication systems
- Develop a QA model for conventional HIV testing for medical labs
- Develop a QA model for point of service HIV testing

Activities

- Analysis and producing reports for EQA
- Regular on site visits to participating labs
- Workshops to rectify non-conformance
- QA training programs
- Producing laboratory standards
- Collaborating with other health related organisations on QA

Schemes

- **Haematology** – FBC,DIFF,WBC & RBC
- **Blood Transfusion** _ ABO and RH D Typing, Crossmatching, Ab screening & Identification
- **Serology**- RPR/TPHA, HBsAg, HIV, Pregnancy
- **Microbiology**- Gram, Parasitology, TB, Microscopy, culture
- **Histopatholgy/Cytology** – Processing and Staining
- **Clinical Biochemistry**- x12 Parameters

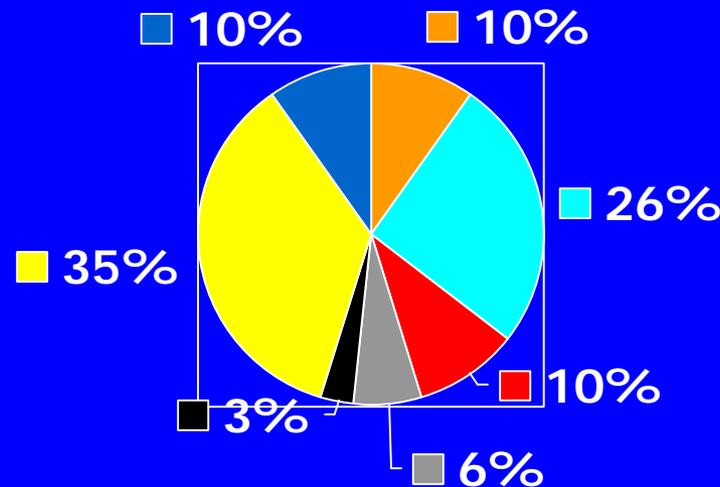
APPENDIX 1-CALENDAR 2002

HIV PT Description

- 31 labs registered on ELISA HIV PT scheme
 - Central Hospital labs 3
 - Provincial Hospital labs 8
 - District Hospital labs 3
 - Infectious Disease labs 2
 - Army lab 1
 - Private Labs 11
 - Research Organisations 3

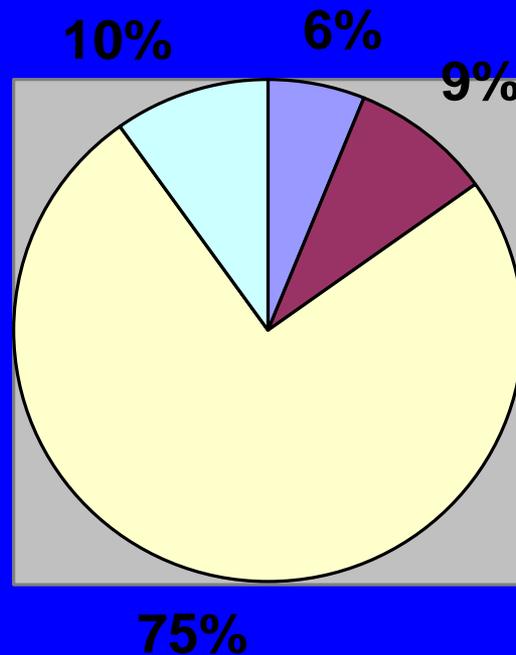
Distribution of Laboratories Participating in ELISA HIV Scheme

Total # Labs = 31



Distribution of Laboratories Participating in Rapid HIV Scheme

Total # Labs = 74



- Central Hospital Laboratory
- Provincial Hospital Laboratory
- District Hospital Laboratory
- Private Laboratory

PT Testing Protocol - Rapid Tests

- Test samples using at least 2 methods
- Record results on data sheet
 - Type of kit and expiry date
- Tie Breaker to be used in the event of discordant results
 - Tie breaker kit name and expiry date
- Return results to ZINQAP within 2 weeks

PT PROCESS

- Sample acquisition-NBTS
- IQC –3 x labs Plus ZINQAP
- Dispatch
- Response
 - ELISA - 38.7% (31 labs)
 - Rapid HIV - 52.7% (74 labs)
- Performance
 - ELISA 91.3 % correct
 - Rapid 100% correct





Achievements

- 10 Participating laboratories in 1995 to 87 laboratories in 2002
- Well trained staff and on-going staff development
- Upgraded Computers for EQA
- ZINQAP Day and Annual Scientific Conference
- Sustainability due to Co-operative agreement with CDC/PHPPPO and continued donor funding by DANIDA

Challenges

- Access to Reference Materials
- Cost of Consumables
- Lack of Government support
- Lack of Office and Laboratory equipment
- Political Challenges
- Political Factors
- Lack of Appropriate Packaging Materials
- Poor Response Rate

FUTURE PLANS

- Seek mentoring partnerships with regional PT providers in SADC
- Produce improved HIV panels
- Develop Quality Manual and SOP for ZINQAP
- Develop Standards for all labs in Zimbabwe
- Train inspectors for on-site evaluations
- Purchase of vehicle and other laboratory equipment
- Accreditation of ZINQAP & Laboratories

